Aviation Tevs Megraw-Hill Publishing Company, Inc. Oct. 29, 1945



New Jet Fighter: Bell Aircraft's latest jet fighter for the Army Air Forces is this XP-83, twin-engine craft which is radically different in design and out performs Bell's earlier P-59 Airacomet, first jet plane built in the United States.

War Assets Corp. To Handle All Surplus Disposal

Billion Dollar Backlog Listed For Aircraft Firms Survey of major manufacturers discloses military and commercial schedules amount to more than \$710,000,000 on West Coast, \$417,000,000 in East. . . Page 11

Liberalized Aircraft Approval Asked By CAA Unit

Air Industry Capital Found Above Market Value Excess profits tax bonds bring many aircraft com-

panies into higher per share bracket than indicated by reported prices, AVIATION NEWS survey shows.

Compressibility 'Attack' Sparks Supersonic Search

Intrastate Operation Provides Data For Zimmerly
Using three Boeing transports, line reports load
factor of nearly 60 percent in summer months despite sparse population of territory; 16 months'
flight time now listed. Page 15

Canada Approves Charter Flying, Seeks Feeder Rule Air Transport Board, licensing both scheduled non-scheduled services, following liberal lines; expects returning veterans to get new permits.

Potential Price War Shapes On N. Atlantic Routes Competitive nature of new over-ocean commer-

cial landplane services spotlighted by CAB denial of Pan Am attempt to slash fare without no-



OF OIL HYDRAULIC EQUIPMENT SINCE THAT

THE AVIATION NEWS

Washington Observer

ANOTHER WRIGHT FIELD?-Acron of the single department of defense, two facts seem to stand

Fourth Air Force in parasee over control of Maroc a new, West Court, "Writtle Fulld" as in necessary, It is thought that ATSC wants the base base for flight experiments. The Muroe field formerly was the final emining hose for 10-21 cores come to the Parific

DOLLAR VOLUME-Testimony of leading militre indicates that the aircraft industry can figure on about \$65,090,000 worth of business between now and that are entirely up to Congress. It is underested that

ARROWER DECISIVE—As a new when Congress report of the U. S. Strategic Bombing Survey looking at war results as a whole, is especially samplicant "Allied armower was decisive in the war to Wessern have been employed differently or better in some coepects Nevertheless, is was decisive ..."

out proposals which have been made to Congress for more flexibility an arading their technicism so that recognization of the armed forces or creation of a supression may scales can be offered

out. That is, thus the air force must sever enver to determined upon will give siepower its just role.

play over New York on Navy Day when Concrets in closely scratterizing New appropriation requests for

absorption of the Army-Navy Laundation Contests uon by the Suge Dengrapor, there is street indication that William Brancherholf, denotes of the wonuse district well center without a mostly. He is

CIVIL SERVICE RATINGS--Out Service Commission prominelogy and destification of sechnical and scientific skells at so out of data in the opinion of to open and relation smooth. Dispersed such Clad bervice classifications that recognize an expert in elec-DEFENSE REORGANIZATION—In all the vari- and the Navy's Research Laboratory are demanding



AVIATION NEWS . October 29, 1945

Tansen COUPLINGS for

Industry eropetion and sell in a highly competitive

HANSEN MEG CO. 1786 F. 276 STREET - CIPVELAND IA CHIC

Mere Place | 16 Republic Arignes Carp 8, 17 B Shares Carps 11, Chemel Encold D. 18 Carbon M. Carbon M. Carbon S. Carbon M. Carbon M. Carbon Sandra Carp 40 Prophylics and information Statemer 44 Pag American Novel Arignes

Establish Heatherston

AVIATION NEWS

Patitoles

News at Deadline

Plant Retention

Tross and DPC-owned surframe Sor engine phants, all DPCdianepells, Kanses City, Mo., Lockiane, O. Melrose Park, III. Royce gen origine and shortly will be equipped with a TG 100 smal flow but

It is proposed that title to the DPC plants be acquired by the tain of the plants will be at least

Martin Reorganizes

deat of the Martin-Nebraska Co.,

Industry Observer Firms Arctife Corp. this week will take over Arm Industries Technical In-

Production and eagreement is underway on the B-50, a redesigned B-25, if

▶Wisle Nothern officials have been probabiled by socrety surrements from F Complehend Valent's new XP-60 fighter has already been flown with a Ralls

Fifth two Storsky from bosts with which American Espect preserved its

) There will be meet discussion in the leidestry soon about the new Chines Vauste Nove father, descented the XPHL1, endeaved "The Storeney,

FTWA converge are studying skingles of arrend high-road, high-altitude 600 mph may be as clear as four or five years. Direct operative costs should be

Meanico Mig. Co., secret parts maker and farmer considerance of high

areat descented the XOSE 1, would supplement use of the Corton Soulander

Phillips is Proud to Fuel One of America's Fastest-Growing Air Lines!



cause we played a part in helping Consumeral has flown over 9 million Phillips-powered miles-consumed 4 relice college of Phillips Aviation



Key to the latest system in a

25 O'Brien, as charge of capital

RFC Creates War Assets Corp.

To Handle All Surplus Disposal New preasigation free to handle operations without consideration of a variety of other matters as in pass secure air industry also told of scrapping speed-up, SPA advisory committee week, prospect of strengthened "normal trade channel" liquidation. By WILLIAM KROCKS

Creation of the War Assets Corp. Navy Locadation Commission by to hondle disposition of surplus 510,000,000,000 on avarious sur-

ernment corporation was underformerly under the Commerce les RFC inventory late WAC's only with surplus disposal, rather true when the BFC board had the and producers monda including some and components notestably > Smooth Speed-Informed puer-

Also affecting the aviation surcoduces by RFC details of which

Handley, Free's reductly despoted trilley orreland would the Many or

AVIATION NEWS . October 29, 1945

components. It is also one of the

RFC's representatives would be relected from the RFC board-

are in RPC-spensored corpora-George F. Burker, executive director of the REC Office of Surplus A resign redulation of sterns to

board of directors of War Assets facshmer, \$10,050,000,000; exganor fense Plant Corp. When surredt disposal was under DPC. Husbands One of the trickiest problems be selected from RFC, the other involves darposs) of engines and

BEADLINE NEWS - 7



duction but its salient features were incorporated in later wadels,

Metals Beerve is tapering off.

and components section. Deficulty

With the formation of Wer Ass

the arries in 1964 after 1

Lieut Col. Nathaniel E. Schlore

before the WEC board

saleable is larger than that of ground liquidation concern oriesuccessft, most of which com- mally established to handle a priors combat types due to be sumfar set-up for the Metals Re-

Engines and compensate de- sored by HFC \$3,800,000,000 in ocurinal cost. An cent of this well have to be scrapped, with roughly a three s readily saleable. The balance. can be sold, but probably not for

Agency Agreements-Until the are nerreitled to act for BEC to an agent 90 percent of moles cost Publishing Posts Filled effect 17 CPFF agreements -

which it is hoped will be replaced by the fixed-fee type - and 15 While widespread use of agency

widely known as an aviation writer will be technoral editor of smooth disposed of engines and cames western addor. Both are members of the Aviation Writers staffed to do this job. The soluof the Murray Cook Corp., a nee- lease of Technical Information

500-Mph. P-47 Disclosed By AAF Double Wast research principal upset level flight speed theories

An experimental model of Rehour on Aug. 5 1944 conformation R-2000-C Double Warp engine walfed traffing oder the XP-413

b 'Guide'-But, Espublic engineers

In addrton to the Double Weep engme, the power-plant installa-CM-3 turbo-supercharger. Thus conditions, approximately 2,500hp. at a pressure allitude of 34,-

b Special Changes-in outward appearance, the airplane is similar urtake ducts and engine cowline proximately 400-bp of thrust as'Attack' Against Compressibility Sparks Supersonic Speed Search New era demands development of theory before practice in

streed wind runnel seas for data to complete designs Recent abstracers by wars tacular interest in Stock's locture For reasons best known to

odeos as to status may be drawn Derk Shets-Main conclusion is that we still have much to learn before supersons flight is fraulte promountal shaped. Flow demo-

Structure-The most sections The problem of supernous fight is yeary different from that which

gured and what will kuppen at

edee in his Eighth Wright Brothers They are frankly lookers to

contrast to old 'flight first' procedure: industry looks to high-The Germany, who have not quases a shock wave Stack cerned with thinness of sections showed however, that this may Such a comparison is meaningless relief to our structures engineers.

> Superconic furbt possibilities velopment. That rocket engines Abe Silverstein of the NACA's



XI-3286+11, reted at 2,566-hp and man designed for the Republic

CURVICED ASSCRAFT ENGINE

AVIATION NEWS . October 29, 1945

NACA, OSRD Research Offices

Face Fund Slash

Deceleration of sixcraft union work and virtual halt of developerated operationies raking

by the Office of Scientific Research and Development are rapidly tak-The OSED, headed by Dr. Vannevar Bush, had over \$55,000 -000 of its \$69,000,000 clipped Dr. J C. Hansaker, charmen of

PILOTED AFRIAL "TORPFDO"-

10-HEADLINE NEWS



A "breathese spell" for OSBD



A Germon V-2 speeds unsuged frees the present at Carbavers. rester group in the North Sea. In year errembled from parts of other

record range the feet to study efficiency of the messee. NACA reported to House Appro-Huttasker and NACA now place

Waco Joins NASC

The Ware Aircraft Co. has

joused the Neboual Aircraft craft manufacturer to join the Max P. Baker, Ware soustent chief engineer, has been designnated NASC representative and

AVIATION NEWS . Onder 20 1046

Billion Dollar Order Backlog Listed For Ten Aircraft Firms

company's DC-5 pusher transport. Survey of major manufacturers discloses military and commercial schedules amount to more than \$710,000.000 on Wast Coast, \$417,000,000 in East; Grumman, Boging not reported; Lockbeed leads rabulation.

that more than \$1,000,000,000 in Sectional Values-Total for the estimated at more than \$710,000 -999, while the total of the Kuri Wright, Pairchild, Republic and

maried at \$147,506,000, largest in lowing on other West Coust core- nouncement, that surplus C-5%s Neethron The company currently holds a \$51,000,000 backled experimental, the orders unclaid

a Consulated Value - Present webters backler is around \$222. year. The backlos processes

A survey of military and com- North America - A current mercual backlors of major surcent: backlor of \$31,000,000 is naturaable almost entirely to recraining the year and is proceeding entire. > Fairchild -- Present unfilled orbliseing. The company has not

b Boarles-The company expects a military buckley which stood at current military contracts esti-\$155,000,000 as of Sept 15, to be communical contracted backlos of Dec 15 A commercial backlos war has been reduced to \$101 --

\$63,560,000 mins matcher \$65,500 .- of \$120,000,000 at the close of the Cartina-Wright - Current bucklog is approximately \$115,990,000 subject to change and dependent. dealers cancellations followers an- as do others, on Contrasional ap-

July 31, 1945, of \$400,000,000 to present time, with delivering

approximately \$5,000,000 and in cargo carrier, amounting to \$53,h Brenchille-Dough externate of the





TAM. Ground creary helpless in the wind, couldn't do engithing but look

DKINAWA TYPHOON "DESIGN"

This is not a new and redecilly-designed deplane. When the typhom



Axen Barabe in Action: Acrost photo cliustrating the deadly accuracy

Azon Bomb Control Operation Disclosed

Operational details of the Ason radio control for bombs have been The 1.500-Ib serial bomb is

motor connected to rudders in the reiling of the bomb by charging

The bomb is dropped, after surbfree with a berebuight. About a 1,000,000 candlepower flore on 15,900-ft He corrects these by pushing the control box handle eft er right. A capable bom-

burdler can operate the control successfully after 6 to 8 practice

Increased range for AAF set fightare was be provided by docting then with full fael lood to com-

rn Turreys in 1945 With 197

remove Federal contribution would have to be equalled by other above on experimental name depublic money under both bills. sign for the P-80 Shooting Star Alicention of Funds—By McCar-

Airport Arguments Far From Finished

Pessage of Lea bill spill leaves

possis [the other being the bill

pairties, presents disservement when Senate and House conferent attempt to reconcile differences named which chammels federal the use of the book and secret Afferent Execut. Informed at

h Banco Problem - Stdl another The report when approved no direct the spending of federal with other public spenger. The propriation to obtained. While the House Appropriations Committee nompt the amount Some signifi-Cincente Cannon (D-Mo), char-

> the Les hill in debate. have to be resolved by the con-

FEXPENSITURES - \$75,000,000 an-Cerren proposal; \$65,000,000 apresults for 10 years by the Lea bill, with an additional \$10,000.-000 to so to territories and non-

vides to the contrary.

Surplus Plant Plan Backed By NPA

Proposals that surplus accorati plants be made available to the tiers on national sympton policy NPA select for special treat-

armed services. NPA's average in-Marga Key-General propriate of

cal material. NPA advanced the Finance Coop., disposal agency for

AVIATION NEWS . Geoder 29, 1945

_____ Fee Suggested For NACA Work for the travelent public Con-

"You would be in a better po-

Frabile Interest-Dr Hummber believe with a fair measure of by underwritern' representatives

Insurance Rates Hold Despite Study

While studying with a result has been too meaver to afford a

expected a new plan of inspection

Figure Not Answer-Further, avethe private fiver. Bates merely requestion is one of promoting Looking toward this goal, it is

name role as plant representatives





Stannel C. Wells, Bougld J. Exist

were taken from the Official



STAMESE HEINKELS Revealed in this hope obscured that who to us one of the most morel German gircraft techniques, coupled by a "Zeimese" usus section mounting a 1.540-kg. RMW personalent, two turn-engine Heinkels are engines for a high speed of about 207-mish Overall length is \$3-f1.

Huge Soviet Clipper Still In Service

Wall of secrety reached as Marain learns of reammath craft's The wall of secrety which the Nama recovers Kiew. Klurkove and builder, Glenn L. Martin Co., that the surrotuous skylmer of 1937 is the 2.450-cmile runce of the craft The craft is being used as a

avastion andustry has wondered h More Planned - It was leaven that officials of Amorre Tradition

Canadian Plane Soles the Chaper periorpeting in Bus-4,000-male flight on a measure so craft more to \$4,357.891. secret that its nature carnot yet Throughout the way, Bussian sources disclosed, the Street Chyper, strupped of her housenous fit-

De Havilland Mersoco Meth. a a carrier for paratroops, and to Natis smarked through the Crimean defenses to the Black Sea Armeda Pate - It was under- going to the United States, Mexico.

able to takeoff with heavier loads

Prior to the construction of the

Mertin Mers, the Source Chapper

It had a open of 153-ft as open-

SDA Advisore

Principal tages of discus-A On the Air Transport Index-E. V. Barleenbacker, Eastern PCA; Robert Lees

United Automobile Workers and James E Nolan of UAWs and Ted Bilvey, charman of M the Asserth Industry Ad-Murray, Borney H. C. Tate.

Gleen L. Martin, and Alfred ~~~~~~ Devices Leaves AAE

Gen. Davison, who was the first eitle to Gen M. H. Arnold on a

for \$540,305, bringing total are-

Fairchild Aircraft, Ltd., Mona ports: eight Assos IV twin-engine year ending June 18, 1945 of transports, three Sporten trainers; two Fleet Frech tremers, a last year. Operating profit was \$650.912 as arrand \$664.515 Taxes were \$399.254 as arresso \$400,951. Surplus forward was SE49.596 on argent \$157.300 feet

SPECIAL AIR SERVICES

16 Months' Intrastate Operation Provides Data For Zimmerly Line

Using three Bosine transports, line reports load factor of nearly 60 percent in summer months demice sparse population of territory

By BLAINE STUBBLEFIELD

engine plane with a \$50-kp state made of 1,690 miles state Albert L. Zimmerly, president. and sounded note in Western,

ing the public information about

fushes totalogy 1000 rolles be-Safety Record-A fixed base opto Oct. 22, 1946. Zammerly carried 2,237 passengers 511,790 passenser miles on 535 flights Of these, \$4 fights were flown with

a Travelair cor-passeners, ample-

of 2,241 passengers, whose trips one Sept 30 1945 the common might maratenance, one could do

riangly for extension in case the

from June 1 to Sept. 30, 1964, an He believes that "with a reason.

silow a substantial profit Charter business alone by Zen-From Ort 22, 1944, to Nov 5, Zammerly told the CAR that b Seat Miles-From June 24, 1945. this, \$35,000 will represent organi-

cents a mole, resulting on a loss of



deepest. The trip by train, through Oregon and Washington, taker IS

peper \$57.790 working renatal, and pellers, and \$50,010 for ground

What shall be done about us-Instate services like Zunmerly's

Stocknown meds the Board adon exception, he publishes his rem-scheduled licenses granted in 1935

Zammerly's proposed interstate sentners, would reach Wenstebee &"The regulator of this liveuse vio Walla Walls, Washington; tion with United at Rene, Nevada,

Mexico Spanning Airline Reyeals Sale Negotiations Asrovaus Arteen, holder of Mex-

learth of Messee, and a Messean Major Bole-In a country which Airline Competition

Paritie Coast Aurusys has

passenger planes began service Officials reduced fares to a

Canada Approves Charter Flying: coding \$102,000 for planes, \$12,000 for per- Survey to Decide Feeder Policy

Air Transport Board, Secreting both scheduled and nonscheduled services, following liberal lines; expects returning voterant to get new permits.

Board is pursuing a liberal policy fying in some individual permits . Laurentian Air Services, Ltd., in necessity without repard to earlier. This survice was established as *George Irwin, operating one The Board size is making clear

to September, 1939, had correct Public convenience and mecestreders, fishing comps and pros-

been flying since 1909 and prior

Malibu Senero Service, Ltd., 15 services, is now astroying the permitted to operate from Vanmany of these new routes Many nortes, timber and mining centers discharged flyers have already on the cost Johannessen Flying Service, Ltd. Winnipeg, requests a license for charter service from Winnipoz to

autance is to be granted if public course range, carrying manage-

Bill Gets There Quickly, Easily and Safely in the FAMOUS PIPER CUB



PARE ARCEST COMPRESSOR - LICK SHEEK, PORCE

Or Carechers Cole Advanta Day, Carellina

PIPER CUB

Asiats the Way to Winas for ALL American.

NPA Asks Subsidy For New Services

Planning Committee reconmends U. S. and if ourlook is faworable for everyal self-sengert.

"Local inter-community sir "Such encouragement might be "Initial subsidies should be on a vete flying "offer an even greater In recommending short-term or

Few Feederliners Sold By Canadians

Descrite rursers in this country. few Beechcraft or other small reports that the RAT Transport aviolable in Camoda as surplus errment surplus disposal agency

Billion Dollar Yearly Market Non-scheduled symbon, includ- buth factor of stiffication of its

a billion dellier a year morket ≥ In 1939 there were approximately 13,000 surplimes in non-

en a service which would dubillion dellers a year This is ab-The most promisms post-war

will not have a cuttoreatly strong with trips that they would have

Airline 'Charree'

The sixtings will welcome Miny who have occremed a

tions for the required appropria The rescinded section was 339.1 of the reomorac regula-

Command has offered it only three not be incomed in Canada, to Skele Aircraft Ltd. Montreal, at an systems price of \$1.000 Binle op-Florida throughout the West In-MORE two Beeches have been H Rabb & Co. in the U.S. The

Caribbean Cargo Operation Starts

regularly for several weeks, and more recently a route to Hutt, Damission Republic and Poerto R. Hanverty, president. A mimwill be carried from Coloraboa BREEZE SHIELDING Guards Airline Communications

· Nineteen years ago, Breeze pioneered the development of radio ignition shielding for second compass. Today Brown products mural nighter code recorded and transmission

force interference wherever airliners for in the service of the notion. From howler to barder and from court to coust... on every sir transport system in the United States... applications of Breeze Radio Ignition Shielding Flexible Shielding Conduit and Fittings, and other parts

aid in maintaining the dependable communications vital to sirling operating efficiency. Against this background of performance, Breeze looks forward to the future with confidence... a future in which the perfectly shielded circuits which Breeze products make por able will find ever wider use in protecting the sensitive new electronic devices of the super-transports of toporrow.

AVIATION NEWS . October 29, 1945

PRODUCTION

G-E Harnesses Jet, Propeller In New Single Powerplant Unit

Wartime peoject, just disclosed, opens new propulsion field; extensive preliminary testing above my turbine arrangement boosting peop drive with jet thrust, allows almost unlimited nower possibilities for future air clares

A new type ascereft powerplant street eneme, they strike the buckone of six burbine force, drives a bate, stateper more than 10.000 propeller and boosts with set times a number at a temperature thrust simultaneously has been of more than 1,500 degrees Fuband General Electric engineers high-speed military transports and stand rans and in June of that year was installed in an experi-

b Hess R Works-The gas turbine ungle-engine planes. The au renhest, absorbs the major part of The turbine powers the comperson and through reduction

even on that the arraptet combines new south is event and G-E engineers any they are no board diffih Surface Scretched-Arreruft in-

News, Oct 11 combines set and may be used reportably or tosether. The Fireball has a Weight son some in the rear The new

Advances in our power estab-*Lighter Engines-This propost





removing in the same comment

cherryne is utilized in set propul-



Type years \$1 K-1 psysted-controlled airborne

COLLINS RADIO COMPANY, Order Roalds, Issue



IN RADIO COMMUNICATIONS IT'S



into a stendard 1/4 ATR unit and can be

possible for planes to be powered

Foring Vibratian Zeen ... Thu

h Rich Power Continuously-The Speed Reducing Genes - The

Figure. The range of planes turbines are the compressibility berrien that are reached by all remedier driven planes, somewhere above \$99 miles an hour. at speeds chose to thus wall while gines cruise on long flights at re-

may not reach the extreme high driven alregaft the propeller blades are the first part of the Engineers resize that while that new powerplant is an accomplashed fact there still is much new territory to explore in this new

Chrough improvements of this beate

Equipment Tests Compiled By AIA

termine suitability of new equip-Findustry Aid - Whereas accor-

Asked By Directorate The company's assets at the close mile and use by the arresaft marco. of last year were hated at \$21. 121.919 against current finbillines

Allison Purchases Bedford Foundry War-developed processes and

b War Jak-Phonested by the na-

Badfard rendered about 14.500 the foundry supplied extinder heads for liquid-cooled engines

Print operations at the foundry dries. Key usets of the Delenstandards. Alliana has also so-

Springs, Ohio. The Ohio plant will serve as a testing and expen-Because Dissolution

Darectors of Brewnster Accounts

of \$59,504,688. The News currocistics, 610 Shareham Birks July 1. Man plant of the compeny as at Long Island City and in arbitrage, the firm leased from plant at Johnwille, Penna, which

Ground Equipment Firm Formed By Lockheed

formation of the Arrangement Co., ax on undependent division, at

new division includes design.

AVIATION NEWS . October 29, 1945

Power plant Research IIP where it Counts To provide adequate power plant date for plane manufacturors and operators. Wright Assessment of tests its Coclone engines under all flight conditions. Special instrument shins such as this fixing laboratory enable Wright Asymptotical to oxin experimental data today under conditions displicating those of tomorpow's regular flights.



of surplanes for nicknes, sirports, C. P. Turner, voteron of 30 years years. His assistant general man-

Canada Revises Aircraft Programs

End of all contracts for U. S. and Great Britain force production realignment. treets for the United States and

Airline Noods - Certrart v.

Lencole bombers, approximately 50 Mesoyste bombers and 17 Her- in net working compal during the ada, Toronio, and the Marounts at Noordays Availar, Montreal bomber contract at Canadian Car a Founday, Ltd., Fort Williams, of these aircraft undelivered Sub-

Grummon and Chance Vought acr- on the beliare process and has ar-

24-PRODUCTION

September Output last month, first full results of production since VJ Day, to-

credi Resources Central Office monthly report may be made The THE figure for lest month. represented combined produc-

communico, 2 transcu, li communications, 50 special purpose and 5 gliders. A bresidown on the transports showed 26 C-36's, 25 C-560's. one C-69, 36 C-60's, four

Northrop Backlog Supports Planning

was reported by LaMette T. Cohu. who said the end of the war left. Northrop with a blacklog of \$45,-000,000 which moures a continue-

The research program corned on included refinement of the

under a regulty arrangement 922,870 as compared with \$2,956,k Sole Volum The 1945 fiscal of \$88.412.359 as compared with the preyrous year's total of \$55 -standing common stock These engripes compare with \$903.516.

C-W Propeller Division

sion has amnusced plans for contities of its Ciriton, N. J., plant with Bobert L. Earle, vace-president duction be concentrated at Califoperations, which started in 1908.

Edo Float Forncast

With an indicated bravy dehere of its series 1339 feats for



her. Mesmetole. Side has an a



Experimence with tricycle landing-gove surcests all is a "mast" for nesewheel tires. Again and upsin the crows and costly equipment.

This ingenious inner tabe is a development of the oxigisol Goodwar LifeGuard tabe for motor vehicles. The egerals consumpart also is a two-compartment inner sales. Particularly sected to use in newwheel time where the housels of tire midsaps. An intental wall "bridges"

inner chamber, still under full pressure, to expand and good fabric, bridges over the hole, retains the necessary

popyides a colling radius for a safe landing. GOODYFAR STANDARD TURES

available. Husb-mulky materials see processed for long the leads and resence of fact landings and bigh-recol recording per the Goodwar time. Goodwar wheels and Goodynx brakes that see too favorites. For further informance, please write Goodpest, Avistion Products Division. Alcona 16. Ohso or Los Angeles 54, Calif.

Manufacturery Abilian Consisters Bistributors Descious Balance Disease DESCND ON GOODSEAR for-THERE & THE REAL PROPERTY AND THE PROPERTY NAMED ASSOCIATED ASSOCI HOSE - HOSEASUS FACKING - GASKITS - GAPTING - UPE EAPTE -DOCTOR CHARACTER SHEETS & COS. AND CO. COLE + SUBSECTIO HARLE + ENGINE HOUNTS + A IRPORN CUSTIONING + PURPLIN +

AVIATION NEWS . October 19, 1945

HOW THE DUAL-SEAL WORKS

A and C are completely separate employee.



AVIATION NEWS + October 29, 1965

PERSONNEL

Grappe S. Hand (obsta), former W. A. Brattisch, who has been taled chief of operations control. Dougles enumeer in the Dellas district for

in London Con-

Ovgralization Status has been operations resource for Mult-Conti-

Jumes L. Strairté, who has been in

program in defence of the U 8 Verse C. William has been beened to head the new Mat-Continent Arr-

George W. Pfell, publisher of Area-

Paul H. Merrimon (photo), bend of

C. H. Brubaker, associated with aro, in the abov Arroad his achieve-

Lee Bishop, veterns engineering test milet for Dougles Averall Co. has

C. Brawner has been appointed vacuum for National Arriver. Braver care with NAL in June. 1944, as assistant to the president

Maj. Marrie B. Brown (photo), has returned to Los Asserbs to take over the dates

Before going on Brown was auditor and office gatt-

Paul J. Collies (photo), has been sensisted personnel director for

Agency, Inc., New York and Mosess Before vening TACA

Assent Corp. Atreexmense, Inc., New York, Col-

Francis D. Miller holds the newly ton and the Martin radio network, created position of director of sales and to the von-premiant of Arro-



INDUSTRY PLAN CHIEF:

transport for American Airlanes, Inc.

technical editor, Propeller Division, Cartiss . Wright Corp . Bart verd drawes.

two months' tour of Germany with With the state of development and unabouton of all types of surerift

lik Paractypie Co. Tremon, as director of cales. He has held a pilet's

Marshall B Tall, formerly of the assessment to the president of the

Rusiness Does Make Friends Improved social and cultural relations

inevitably result from improved business relations. Panisana dan make friends. The ecceleration of trade and the development of

new markets is a task air transportation is ideally fexed to perform. This Braniff has recognized in proposing a coordinated domestic and international muca between business or neers of the Wessen Henrisphere, Such a system will contribute substantially to the cond wirthhorliness of the Asserious, siding fell employagest and prospectly

BRANIFF AIRWAYS

AVIATION NEWS . October 29 1945

works manager directing Lockbard



Dollaryse (right), becomes Lockheed's new Constellation savies

Wood T. Henry, Washington rency. reserved along of other aviation

naisteered of William B. Sherman as

William M. Chesibam, recently ap-



awards for a three year term

Emerson Bay, of Alayandria



AIRCRAFT OFFICIALS MEET

J. H. Kindelberger, president of North American Apation, Inc., left.

for months showment of their non-John C. Lesle, has been elected modition Before tomany Western, vice-provident of Pan American Marjorie Landberg, firmerly will con World Actwars as public rela-



Personnel changes at Chicago and Southern Air Linus include ap-Capt. James Lund (left), widely known West Coast palet, and C. P. pointment of Lancelet L. Miner on Culture (right), former flight ad-George J. Edglen as traffic recesentative in Change; Charles S. treasury department at Memohie; and J. E. Schoenhoft as reservations

Licut, Heestd M. Taylor will your

Pust E. Moss, formerly sales mandated Valtee Aircraft Corp., have has resigned to open his own effices

> Major J. Barnes has been named regood traffic manager for PCA in Knowlife, and Alexander S. Prover manager in Chicago Barnes bas been district truffic manager in Pitta-America Airlines Brower has

his post with Delta Air Lanes as se-Baymond G. Larblet, vity-remident

Lesis B. Osborne, formerly in the Frederick M. Peyser, a member of

* we sell General Airplane CENERAL Tires with complete confidence of delivering safety service satisfaction". ARTER ASSOCIATE VALUE & FOLIPE COMP. THE PARTY IS NOT THE PARTY OF PERSONS IN CASE OF THE PARTY.

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proped Top-Quality . . extra safety. It's General's kind of quality that makes tire safety . . . performance and extradurability a Assaur quantity on eviation.

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THE CEMPBEL TIPE & BURERY CO. . MICHEN CHICA



FINANCIAL

Air Industry Capital Balances Found Above Market Valuations

Excess profes say bonds bring many alteraft companies into higher per share bracket than indicated by reported prices.

News analysis discloses some

between "inquist" assets and cur-The Reconversion Tax Act. placed on the statute books earlier this way, is of considerable surnot generally recognized Than

bonds on January 1, 1946. The

frechaling these excess positis taw honely no correct master, as to

Many arroraft companies have companying table presents these

FAnother Value - It must be recognized that m nadition to the

Samilar ratios are: Martin, 123

now peoper, the working courts | + Market Bealds... The emissature picture of most aircraft companies for these low market reven in is belistered considerably. The ac- found in the doubts rungel: (1)

LEADING AIRCRAFT COUNTIES.

lions such as rudar, are unde-

ing contal as of Dec. 31, 1844 is obseed a high appraisal on war It is obvious that the total U.S.

> the pre-war around level of \$300.0 cal reactime passibilities of the men and temper the cothussism What about the present world

surplus of planes, engines and no-▶ Will set propulsion make older type planes and techniques obso-

will they be able to buy thera? make any estenoment conclusion alreast Vaponible Each company

j After extended near charges and deductions: * After deducting at vall gener, all bank from and sense equity moses. 10 As of Destamber 30, 1944.

AVIATION NEWS . October 29, 1945



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cess, sliding panels far cantralled airiness, fram fully apen ta campletely clased, sun-glare protection through tinted top panels. All designed by the builders of the "Swift" ta meet the persanal plane buyers exacting appraval. The Walab Carparation designs and builds drill and assembly fixtures, master gages, and other tools with the same dearee of attention to details, assuring our custamers camplete satisfaction in every tool delivered by

Wide, clear visian, easy cabin ac-



JIGS . FIXTURES . GAGES TOOLING CONTRACTORS THE BEST IN THE NATIONAL



A GREAT LUBRICANT FROM A GREAT MANUFACTURER

With the advent of war, the long-experienced Mati-Continent reference over developed D.X. AVIAVION OIL and became one of the leading suppliers to the United States and Albed Nations, Today, this superior lubricust is available to comreceival acceptate presences. Ins. characteristics include maximum resistance to curbon, sludge and languer formations, maximum newer performance. Its confurme film strength affords compless lightication for fast-moving pages, and it performs under the widest of atmospheric temperature ranges. Scientife for here and small afreralt. Your inculey invited.

MID-CONTINENT PETROLEUM CORPORATION

AVIATION NEWS . October 19, 1965

Sought By CAA Advisory Unit Non-scheduled commisses meeting also promises outline of

ration end, and private flying voice in radio planning.

Attacking "the entired bettleately designate approved report

Named a radio subcommittee

PRIVATE FLYING

Liberalized Aircraft Approval

stand against economic presization, request for airport dede-By ALEXANDER MeSURELY

a Presonal defining airport musother warred to many of the b Proconal requiring the carrier to conseittee recommended endorsed. The majority of the Proposal requiring a multi-en- tratar's requirements

one arrest from everwater oueration beyond safe gliding distance, overland operation of safe gliding distance, right or in-

Proposal imposing flight time



HAWTHORNE AERIAL VIEW

totalled \$5,516 hours of thats

Future commercial projects for the Hauthorne School of Aerosautita'

The street selection of a consequence rectly or indirectly, by lease or any and the authority of the CAR b Besides associat these sterms.

climb at 5.000-ft above sentered" mut the admirantrator to appeave ceaters after purchase from gov-

Addition to the metrument flight



8916. Is one of three Paper models offered at the store, and is designed

Appointment infraret of Lloyd Clothe Assesser Contact World

made a test on the proposed over-

can requirement for 10,000.54 on

fort to any Member of the party.

New 'A & E' Rules Urged By UPMA

Weshington They reported that 92.9 percent of the replies favoring a flight of several hours at 11,580- such an arrangement, only 5.9 spector system, and 12 percent

mendations with the CAA Non-Jack Nelson Named Servair President

W L. Jack Nelson, secretary of

I Woods Stewart coursier of Non-scheduled Physic Advisory

Before the committee was mg Service, and earlier as director AVIATION NEWS . October 29, 1945

40.000 Planes Seen 1946 Sales

Wall Street Journal profices \$100,000,000 market by road of Delivery of 40,000 personal

manufacturers of light sircraft

F Companies - Included in the Journal's roundup were Ecco. Beech and Gramman are planmag larger phones. Lockberd up to 450-hp. Gogwing market is seen for places up the \$4,000 to \$5,000 clain, with higher usered

Noise Note

Latest support of earthmarket as the number way corner in a recent cornective

AVIATION NEWS . October 29, 1945

Air Advisory Board Shapes In Canada

NEW FLIGHT PHOTO:

to be W. N. Deither, Fleet Au-

more range, better metruments ports was negligible in the Do-Turner Remains

New State sectors of the pretature Commonwealth Transmer an-



NATA President

National Aviation Trades Assovention in March or April, 1946, continue in office, it was any

meeting of directors and officers of Delay Cause-The NATA once

PRIVATE PLYING - 32

portably a West Coast rear to any days. The present association office. at Karoas City will be proved to of directors within the next month new ampainter "would work di-

out policies laid down by the odepted at the Indonespelo meetcluding small operator, dealer, distributor, multiple have operator and trude groups, including wares-

facturers, finance companies, insurance companies That last cute memberships will bereafter Canadian Cub Plant Begins Production

Cab Aircraft Corp., of Hearthten, Onlario, Canadian affiliate of

originate in the Piper Lock Haven. Wherever it proves too expenspecial parts at the Hamilton

from a 250 wartene peak to 100,

Fragr-Seater-in addition to the builders a four-piace alare adaptothers are been appointed.

Cleveland Planning Huge Air Exhibition

Number of employees at the Prefit Split-The show, under

CERTIFICATIONS Surplus Lightplanes Get CAA Licenses

NE SHIP IN HE WAS DROVE AND AND AND ADDRESS AND ADDRES at Shafler Tool Works, Bres. Oald, the diesel has 250 catic inch mixton displacement, in test run if delivered 127-hp. at 21,696-rpm, srish 2 NK Hills-Louddoop Ale Transport Sales Corp., Louddoon, Va. Eren, Konne Eld., Std. Dec. 100

W 1989-Sand X Water See 1801, Co. Ster. Arts. Proc. Phys. Lett. B 1801, Co. Lett. B bell Barbard and F. Yon, 104 S. Penth Are. Commiss. Cold Rose Mean Me. 800 May 1947 NC Shifts June 1844 Sept. Str. Str. Sept. Sept. Sept. Sept. Sport, Cold Laws Silver Si NV SHARE-Street Are Servery No. 251 1140 Mary William Better Coldwalm, East

HIV. Not 1941 M. Whit, Worlds Cont. Nº O'll Street, Wo. Ress, Moore All Co., Middlebox, Wo. Ress, Kinner No. or Wildow Photogram

Hill-John C. Olinia, the South NO. MC HELD Michaely Phing Service, Schools, Nr. Kenn, Rosser Edf, and July 1141 and instantians of writer, cut there has Specialty, Tries Rays Charles Mill. Half-Vision K. Aris, 67 Central Ann. Grant Fish, West Street, Frank B. 400 Central Ann. Grant Fish, Will Rev 101 Central Ann. Grant Fish, W. Control Fish, C Could Mad Act 1940 Could Way Could Way Could Way Could Work To Could War Addition To Could Way Addition Was Additional Way Additional Way Additional Way Could War Addition The Management (III Market Could Way Could War Addition to Could War A

AVIATION NEWS . October 20 1045

Briefing For Private Flyers

Economy, unferly and sumplisity of operation of detail engines are newly amounced Thisleld 180-125 to highlighter detail engine, pertared in the muse of Aviation News, is of rece than paying interest

GUIBERSON STUDIES-Guiberson Direct Englas Corp., for whom Fred Thubeld formerly worked, made rouse studies on a lightplane diesel recently, but repartedly shelved it as not offering sufficient prospect of valuese business. William Lind, Guiberous research cheef. made a fact consumption analysis of projected direct earlies arainst possible alectaft engines of comparable horsepower. He reported a 100-bp. diesel using 18 cents a gallow feel could engine 2 hours for 18 cents, with consumption of only 38 possels of fuel ner he, hour. Two comparable 100-hp. grantime engines showed feel costs of \$2.50 and \$3.45 for three beens cratileg with fuel consumption of .55 and .56 pounds per horsepower hour. The study indicates that used in planes for fairly long range flights, and not more surport hopping, the diesel would have a definite advantage. Weight of the diesel with I house fool was quoted at 243 lbs, as compared with 403 lbs for one of the graphics engines and 339 for the other. Lind's projected desci. however, weighed 275 lbs., wherein the Thubeld curies weighs only 233. Thubeld expects to build a six-cylinder doord with 150-175 by, ratings later, All parts except consistedt, crankene, can shaft and fuel purpy will

ELIMINATE OUTSIGGEES-George Speak, designer of the Spratt afble to put the engine and most of the plane's would down low wing tip balancing florts are peeded. Presumphly a usuar version of SAN DIEGO'S ARROCADE-Berrided as the 'first entirest rent

war presentation of private strengt," San Diena's Accurate, scheduled Nev. 10-11-12, will eligrax the city's Acro-Education Work preparation siestrije and sirmerks for private planes. Window displays by local merchants, radia, outdoor, newspaper and sky adverticus, movie otlebrity appearances, are planned to add further interest to the week The exhibit of sylution conferent in Lone Field, San Diam's hall work is one half mile from Lindbergh Field, and exhibition planes flows to

used approach Lours of more than \$1,560 are not subsect to survenessed.

M-PRIVATE FLYING

New Beech Props Readied For Sale

trollable reach would blade. Beech Average Corp., Withsta. for use on lightotypes, it was dis-

fronts. Ustil war's end, the Army Smallest Type-The unit officed

propeller waste. Known as the R- same in compositive tests, shows 000 series and brenned with CAA the R-000 type has an increased gines equipped with a No. "4" taper at the end of the crankshaft. wood with each lamination set at is under control of the pilot at all

erated critch operirol utilizes a manual control worths about 39 small hand crank on the matru- The mutalled Weight of the R-200 propeller, the R-300 series, for

becased under CAA type certificate No. 597. It is expected to be rendy for commercial deliverses rom 45 to 256-bp. in the near fucommercially in the smallest Beech | Prefermence | Boost ... Perform.

type certificate No. 684, it is de- rate of climb and decrease in take-C-15 engines and any similar en- flown on various furbulance in The larger R-100 propeller shafts shows even better comon a Gramman Widgeon arrpho- > Marketleg -- Beach will market water, using Beech popps, was rerequired for fixed prich peopulier

tukeaffs, and ground run talscoff

reduced the found pitch time by

The R-900 type, equipped with * Conversion - A manual-control electric or constant speed control by a simple modification maloric it possible for the private appliane

of the engine when the propeller The constant speed governor which electrically netunder the

TRANSPORT

Potential Air Fare 'Price War' Shapes On N. Atlantic Routes

services snorthelited by CAB denial of Pan Am attempt to slash New York-London free without 30-day statutory notice. By MERLIN MICKEL

The competitive aspect of the

a PAA Beilles-Pen American

'Mystery' Plane A plane to carry about the regre load in a DC-3 though weighing 0,000-lbs. less and Perks said he had seen a

hAir Gest-What we want and what asseral marafacoff with one origine dead, sed

• Wartime Bates-Pan American will fir under wartime rates from effective, a spokesman and Fluibia was completed on a C-54K with

Cander (Newfrandians) Stemme (Dables Alread)

of six additional round trups of week pryous the North Atlantic of ered fares go into effect, sence



arrow the North Atlanta by CAII

FTWA Adventage-Pan American and American Export have been Attentio during the war, but TWA TWA explains that it is flored extensive conversion on the C-54E's allocated to it for the oper-

reduction over air fares between nemed in Jacquery, 1943, the low-



40 - TRIVIANO STATING





New Beeck Lightplane Propeller, Schooling draw- propeller hab assembly. A proposent wound to see ings of the sess Seech controllable propeller announced for lightplower, show, above left, a cutmany cours of the commission control mechanism, ghave Beach E-002 controllable error is down instelled an right, how would blades are set at proper putch in the . a Stinuos Vayance 150

Dichtened and secured with safety were. Center: 4

tery flying during the war-

Wartime Navigation Network Sought For Peace Utilization

Conference Chairman, Dr. Warner, terms olobal facilities "priceless resource," warns against loss of time in moving toward their preservation: disposal of installations already under discussion in many capitals

Averteen Operation in Manunprecedented expension begin to Disposed of these facilities is Dafficulty is the future of the under discussion in the various capatals, he said, and it was notton facilities established for mili-

port commands are demobilized + Standardestion -- In the distritional action was impossible. Dr conference. Dr. Edward Warner. president of PECAO's Entering Oze government might be tions facilities and nearth and res-

maintenance and staffing of indupation of a priceless resource is to The exvergment of the area

Trans-Canada Gets Yukon-Alaska Route # If the financial burden was too The Civil Accuractics Board.

Securate removal international PSCAD might serve as the go-

AVIATION NEWS a George 29, 1945

interal negatiation but PICAO

Transport, Ltd., a wholly-owned subsidiary of Canadian Pacific verz, thereby obvisting TCA's establishment of a new base at Whitherse and operation of an

The board found that its ap-Canada and to Trans-Canada In lationship existing between this

suing the permit to TCA, but ob-Yukon Southern on the ground Trans-Canada intends to operate an agreement of Feb. 19 (Avik-U. S. and Canada, providing oper-

Norwegian Airlines To Become Private Norwerjan Air Trensport, the

only a small stack interest, if the

FOregation - Thus development

Pacific 'Objections' Ready For Hearing

Board to bear varied process straint examiners, iccommenda-ESSENSE, AMORE INSPECT (SOURS, Numerous protests to exam-

FWAL Respect - Western naka public interest would not be

be denied in Alsoka Arrings'

American, on the grounds that WAL's brief producted enough traffic via Great Falls to justify the expense of 13 smaller ear- seas fights

animers erred in proposing com-"unequal accum" to U. S. treffic

mery of the briefs as it undoubtern aurimes. U. N. Airships, pro-

subject to the same rules as those

Pittsburgh Port Plans Call For 1 500 Acres

creased from \$15,000,000 to \$25,-Arrites to compete with Pan 000,001 and will be financed by bond saven

a pert of entry for incoming over-



PAINTOW! ARRANGEMENTS Plen of the sessing prenorment of the high-record.

AVIATION NEWS + George 29, 1945

IATA Parley Principle Hit By Sudden Pan Am Rate Cut

Conference members privately express indignation at U. S. line's trans-Atlantic fare slash after international reassesses meeting evolves agreement to work against 'cut-cheoar' competition through system of traffic discussions

But while delegates amoved the cope as public, privately they turned Sord a British representa-

sizerest most of the rest of the the tremendous competitive adfind themselves with almost nothing except military planes

b Traffic Granes - Decrete the question mark after cooperation bowever, LATA has not up unse classing all the North Atlantae portugularly; turiffs, rates and Possibly because of the delicury

Before pucking up. IATA elect-People, hend of Ecope's MISR Av.,

October, 1946, in Carra 41 More C.54's

Allocated Airlines to 101 the number of C-54's al-

to decaratic nighteen, while four

AVIATION NEWS . October 29, 1945



FRENCH TESTING LATECOERE 651 Tests still are being conducted on the French Latengers 621 counters.

China See and the Malacea

Duties - Traine conferences, to be

the hull reads of light alloy sheet metal, recurred 250,000 Are. Toro

petyed two C-54A's National Air-

*Companies receiving C-6420 American TWA and United those

Foreign opticators are Servicios

May Commercialize 'Meals By Air'

Transportation of meals by no of Weber's Hafburn, Phrisdelphou Aurort was opened last July, Notional Arrhoes bought a down never southern freed chicken. ers of Weber's Helbrau became

for special banquets. Should they undertake this, they will contract with an airtime for transportation of a green number of meals to be British Dollar Rule Threatens Airlines Negotistions underway so end

possibility of Empire forcing uno A persous obstacle to American

oversess surkness may be elimin-Washington between high that the United Kingdom has block the sale of American-

All nations in the steeling sees

as they are needed for the pur-

Then far. American strings have manapainted by the British to

BOAC Details

Bottoh Overson Astronom Corp. routes, nicrosti fower, and other

Shart "C" Funn-hoals

Avco Seen Ready To Sell AA Stock

of sirline so final CAB action

comply with a possible feed Clay Oct 15), Ayen allored that its FVete Reduction-If CAR makes outstanding and file monthly reports, through Aprant 1946, on

amount of stock disposed of and

CAR's desirage and conclusions. the sweeper said, are in accordwith the evidence "expent insufar class, or will in the future evercise, any control over American Auture," either directly or maholdines in AA would denries either American or its subsubsery American Export Airlines, how American Arritage Overseas of judgment in the refection, purchanc and use of surerali and

Pacific Air Pipeline Sets Cargo Pattern

The Army and Navy were ready

cerned, when the war, and the Problem-R took approximately

be ready for some in the Phylina pines. That meant that eacht of

period many stems became obso-

Plans were worked out to use

a new societant civil sir attache + DC-3 -- Hours flows, 929,270 miles, 1.896,565,632; ton miles, tache to be named to date. He my ordinary stock liem were will sid Livengatone Satterthwate, load factor, 73 percent.

Pilot Landing Attempt Cited In AA Accident

youd the point where it could be safely applied, was the probable cause of an accident in which an American Airlines' DC-3 crashed

Missed Field-Twenty-one par-Brac Gen Thomas O Horston of plane was beaded for an alternate

field after abundanced an effect to York. With more then 25 years land at Surbank in below mini-ATC Flight Totals

List Plane Records Statistics provided by the Au-Transport Command three and a show that from March 1866 helf years and serond with the Organ June 1965, unture four 192st Aero Squadron oversens in

> miles, and 1,460,323,595 ten rules DC-3. the Consolidated C-83 tee C-46 Commando, The DC-1 give places, the others four en-

> C-54 - Hours Sown, 866,453; males, 2,001,100,560; ton miles, have made the latest equipment FC-sT - Hours flows, 441,007

AVIATION NEWS . October 29, 1945

The sir transport plan would miles, 280,543,384, ton miles, 200,in the purchase in order to de-▶ C-46 - Hours flown, 498,508 London Air Aide nlane wiles, 155,265,994, passenger miles, 132,084,863, ton males, 454 -

Airport Planning Rises On 'Coast' velopment and expansion plans; other mates quick to seek air

sirport development and expen-San Deego County, Calif., in pre-

are in San Daugo City and exh Kern Planuatho in Cultimate

Location for this new \$,300-m.

FUseh-In Order, Utah, city enb Baise - Construction of honours

and other of a 1000-or flate have, mayor of San Francisco, and James H. Turner, manager of Utilities. The line expects to build new hangurs and other facilities

Ten Lines List Service Changes

American Assistant of Mrs. 1 and and of princip cody between New York and Yaranan on AM 7 and 68 and age

has London field in Bordagelon Salpa-American h vol. mergare mercan New 10 on All 14 houses China and Mana.

and of Massember Pacabiles will arrest entragers which recom-

Wreming-City officials of Chev- of provide plane faculties, includport prepared by two Densyr building



PAN AM LEASES BASE SITE:

posed treas-matinestal operations. The lease will run for 20 years

AVIATION NEWS # October 29, 1965



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not necessary. To aspende engireering department of prominent ward populler perufuturar. State age, marital status, details of education, experience and salpry expected. Address letters to SENSENICH BROTHERS

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PW COL STATION NAME OF THE PARTY.

AFRONAUTICAL

ENGINEER WANTED

cools possedler dealers desired but

American Authors has consolutated examine preds. . Bruevas nonsensor railes flown in Scotigater water 27% percent over September, 1864. Passengers resolvered 145,000. a 29 percent mercase, Mani pound makes were up 15's percent Pascrewed 43 percent . . The company Amplier 200 successe to due before

was 5,440, a figure 516 percent highb Delta Air Lines' annual report for or thin that for the same four days b Eastern Air Lines Military Trans-

straines in 10 seconds, susper up to cerned 47,500,000-lbe, of curpo and 130,000 passeneers. Pound miles FTrans-Canada Air Lopes broke its senger males were flown >TWA recalls that the feet allow

> right stop at Kanese City. Engly-Finised Air Lines revenue passen

cirt Arriges would expend its per-

possibly 2,500 in the next five years.

National Airlines reports that the

to 12.298. Loud factors in Sentence

ber Jecksonville to New York,

Jacksonville, 9245 percent; New

Northeast Airlines remarks the from-

UAL Denver Base

A secondary repair been for ver. Calo, searcher to William P. Some Chevrene nersonnel are

breather in the Waterand ride were

CAL Seeks Extension

the Cavil Accessation Found to from History and Austra to El breation would add 222 votes to the

CAB ACTION

The Chil Assessment Basel's

Year, ein Crimelitatel lete Minimipel Yaller com Darber Mi et al l'application el Minimip on Ah Leave (Britis) 2000)

Ashterood Fon America Alreeye to ma-ped service for 30 days at Februar Free CAB SCHEDULE Oct. 28 Stricts due to Booth Atlantic rest Exist due le Clarister New York Podpered From the 1 and 19

tion Purposed From the 1 and 18 (Broker 22) of all 19 (Broker 22) of all 19 (Broker 22) on the boundary of the state of th

330 West 42nd Street AVIATION NEWS . October 29, 1945

best for employers in promoting tool tool for employers in promoting and plant up in skill \$4, heart reproducts in employering tool meningeners, the very heartful in a promoting to meningeners, the very heartful it po A (1981)

I Frehrung aufgreum in Agreian
Bettagte & Crimble augusten bri
bregge au merte gewill. (Sader 1981)

CHIEF ENGINEED

12. Cricot, Ar Copy, about to be organic they devote to during and contraction of engineering their any dressor. Will garry in both American engineers FW-147, AVIATION NEWS 120 N. Hinkman Are, Chemes 11, 20

AVAILABLE

logs, Anners oppination for particulous logs, Anners open and the post of the

New 3, (Declar 2011 of e.) 1 id. Goal argement in South Adoas, inc. Professed from New 12 (Declar

the same or become (feeder 201 or a); in the same of t

AVAILABLE

encrets analyction problems

wer plant Admittable, progressive and

none of my original developments on "home her" Age 46.

Dec 14 Reshaupt of exhibits to Modific Advances come Profession from New

To reportise on Engineering Department of 250 to 500 people working in a commany distant absent design on prime contents with the U.S. berkoppund on Assistant Chief Festinger or better in an observed company of similar size. Must passess drive and inflictive. What he exceptionally strong on detail deagn. Incumbers will report to the Vice President In Chross of Engineeries, Solary between \$10,000 and \$13,000 per year.



you should know















Army, Navy, Commerce View Aviation Industry Demobilization

has occurred This would also be an shooting minimum from which to machine at an emergence.

The report considers the alsons house on adjunct to simpower, not a manufacture it is availability does not also present conception of an air force. The propert provides Tax states segar was presented to the air corre-sion of the several satisfact. Sub-correlation on demodal-nation of the several satisfact. Second see these, Capt. ask-correlates are 0.0. 2. Weight, democratically 1. 2 Webb, USA, and 7. P. Weight, democratically of the correlation of the several Democratical and the second secon

consequence.

While rapid changes in degars, propeless, sid-characteristics of secretif-size assignabled. The applians will receive to the properties of the short, control of the short, control of the short, and the short of t The sub-committee facts, however, that although we will be the first target of attack in a falare war. "It is reasonable to approve that there will be some invariences: remonance to supplie that there will be some necleonal of the possibility of a surprise attack of deviatating magnitude, and that we shall have at least one year's warning of this possibility. Proposed in a practical of skilled labor, equipment, on gaspecing belonds and manageral experience being maintained by both resistany see commercial procure-

(1) There will be a reasonable bealthy industry of approximately twice the size of the 1994, but volume may be less liken 5 percent of 1994.

(2) An instantry of this une should be more realty expansible than during World Wer II, due to become expansion that starting more were it, use a second learned. In the control of the control of plant dis-position achieved in World War II in meeting. (4) Some mean result for found the estimate magni-tude and rate of multimation requirements. (4) Second or earlier plants (soliding 28 million eq. [1] of from area should be reinized under control of the arrange for affirme and rather trades, with murtenance in storage of 65,500 general purpose machine tesh.

(i) Since the war "has proved conclusively the fre-needous importance of new weapons and performance excellence in all weapons", these attention should be excellence in all weapons? these alteration should be given to research and development.

(2) There is an argunt need for an implementing and supporting the security cannot of the United Nations' Organization as to mesore provestion of future wars. Prospection of specifics adoptive in all its phase effec-tive of the property of the property of the property of the property of specifics are proved in all its phase effec-tive property.

Proceeding amongst endustry. While receding out that processing access managery, while putting our our poly Compress can determine numbers of men and air-stenes on future say forces, the sub-committee uses a committee of advances making which the final futures may hange of attainance where where for the lighter of 2a. The upper level assumes need for a substantial straining force reselve at all these, to help manifular such person. A best level represents a manifulation which could be reached only offer manifulations of world proce in well assumed and a substantial degree of discoverences.

to never of experience speeds but stops short of con-radicing stade of captible as a principal weapon. Aprilal replacement of about 25 percent of the total secrets A typical practime year, free of war numbers, would mention producting of 3,000 Clower level! to 3,350 military arguines, with autrame weight of 30,700,000-far "We are deeply concerned because prospective pro-duction over the next twelve mostle will be appro-cably below this lower level, by reason of surplus reasonment now on hand," the subconcertible three equipment now on hand," the subconcrible states 'Scheduled military productous for the colorabe year 1346 is less than 1,350 simpleng, not even 4 percent of the July '950 prediction rate. This returned level of pro-curement is eventual the base for any figure expansion to a peak from which it will be unpossible to arbove Production of conguercial secrett will grow in imper-tance but a range of collection in a typical pracetine year in the near (upure involves from 255 to 415 conmerceal transports, involving sufframe weight of 5,306. Crimag a more rapid bul less predictable growth for private surgrift, the report occinates assuming production of private successful of from 2,000 to 45 100, with surframe weight of from 10,000,000-lbs, to 30,000,000-lbs, position from 572,000,000 to 570,000,000 lbs issuinces that to per-

True an overall approach of the procedure market of the future indicates from 25,205, in 51,255 amount, with surfaces weight of from 55,000,000-bits to 194,600,000-ibs, conting 5947,000,000 to \$1,900,000,000. This second Recining productors of smallest several, the si-rated total serial preduction of artial or polarital explory producers would be from 4975 to 5,400 places with saferance would of pres 30,190,000-los to 12,200, 000-los, control from 5005,000,000 to 31,200,000,000. offer mean washing to recognize any cycle of MV limit than 1800 to in the shaplacement rate jet or gas turbone bytes producing a threat of 1,600-bit. This would treview captur of from 7,500 to 10,600 ergans or 20,154,000-bit. to 20,100,000-bit, representing 7,1 to 115 percent of 7944 houseparent. About one-third of these entires

1914 horsepower. About the tring or tager extent would be jet or gen tarbine types, representing slaphts your a half of arterated areas horsepower meditaring editored . . because of large stocks of engines on hand the perioassess of this schooling conductors the mon-dy for a vigorous research and development program which will bring into productors the radically new which will being into production the realizaty for types of engines as well as the major improvements in existing types. Equally serious is the similar situation facing many producers of instruments, accessively, and other equipment, the report size. Thus an extracte of the absentil industry accessed in-Thus an estimate of the shreaft industry acceled involves a post-form extension of the shreaft industry acceledation of the shreaft of the sh



OF SIZE OF TYPE OF PLANE

BRAKING RESULTS REGARDLESS

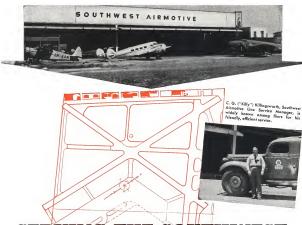
The complete adaptability of the new Bradie! Not brake in most conof construction, is a looke that known measurement breaking effectiveness to all types and more of places. Handard as now from 2 m, to 21 m. In this new Bresile the broke, the record, which me the heat absorbing dissense, teen with the sheed by means of here festered in the wheel stell. These regions are under the weeken while their cases ring which results in for greater expecity for local absorption, officeran-

And of particular importance to plane manufacturers is the fact that this new disc design effects a consultrable weight reducing an wheel and leaks assembly which increase more consuminal and effected operation. Builds of this new, better beautit Brake will be applied on request. PRODUCTS DIVISION STNDIX AVIATION CORPORATION . SOUTH SEND SD. INDIANA

Front after you broad with tricken British Today

without waying at country.

Conclusions



SERVING THE SOUTHWEST

UNDER the able operation of Southwest Airmorive, Love Field Municipal Airport at Dallas has become one of the Southwest's great service centers — and plans for its expansion are already in the making.

Famed for its training of World War I pilots, Love Field has served in World War II as one of America's largest modification centers. In addition, the field is one of the main stops on transcontinental flights. Southwest Airmotive not only services planes for reputation for its splendld facilities and friendly, efficient servicing of private and commercial planes.

For the past 11 years, Texaco Aviation Gasoline and Texaco Aircraft Engine Oil have been top-ranking favorites with Southwest Airmotive — just as they are with other progressive airports all over the country, and with leading airlines. In fact — More revenue airline miles in

More revenue airtim miles in the U.S. are flown with Texaco than with any other brand. You could have no better recommendation to guide you in your purchases of aviation gasoline and aircraft engine oil.

Wherever you are located, a Texaco aviation representative will gladly help you pick the right lubricants and fuel for your needs, and can often sugest improvements in maintenance practices. Texaco Aviation Products are available through more than 2300 Texaco distributing plants in the 48 States. The Texas Company, Aviation Division, 135 East 42nd Street, New York 17, N. York

RECONVERSION RUSTPROOFING 4 Points to Remember

- Ordnonce Specification P.S. 300-4 contains official instructions for the complete processing of Government-owned production equipment,
- These instructions require that only rustproofing moterials meeting Government specifications be used.
- Texoco rustproofing products meet Ordnonce specifications for opplication on Government-owned equipment.
- For full information, see your Texaco representative or write to us.



EXACO Lubricants and Fuels